CLAIMS

1.   **(Previously Presented)**   A system for data presentation, comprising:

a processing device;

a sorting component that is operable by the processing device, the sorting component being configured to determine categories relating to one or more data items for display on a display device, wherein the data items are structured within a hierarchical folder structure; and

a cluster component that is operable by the processing device, the cluster component being configured to facilitate grouping the categories according to discretized states, wherein the discretized states are a property which is assigned to each grouped category via the cluster component, to control visible output to the display device, and wherein the discretized states include a packed state that, when assigned, causes data items in a grouped category to be displayed under a singular icon when viewed from any folder which contains at least one of the data items in the grouped category, and an unpacked state that, when assigned, causes each data item in the grouped category to be displayed under a singular icon in a tree display and as an individual icon when viewed in a contents display.

2.   **(Previously Presented)**   The system of claim 1, further comprising a user interface for displaying the data items on the display device and a data storage for storing the data items.

3.   **(Previously Presented)**   The system of claim 1, wherein the data items include at least one of a document, a file, a folder, a sub-folder, a presentation file, an image file, an audio file, a result from a query, an archive, or a computer readable code file.

4.   **(Previously Presented)**   The system of claim 2, wherein the user interface includes at least one of a tree display or a tree display and a contents display, wherein the contents display represents items from the tree display.

5. **(Previously Presented)** The system of claim 2, wherein the cluster component controls content merging of subordinate and sibling nodes at the user interface.

6. **(Previously Canceled)**

7. **(Previously Presented)** The system of claim 1, wherein the discretized states are persisted on a data storage component.

8. **(Previously Presented)** The system of claim 7, wherein the discretized states are associated with properties of a group.

9. **(Previously Presented)** The system of claim 8, wherein the properties are associated with metadata relating to an item.

10. **(Previously Canceled)**

11. **(Previously Canceled)**

12. **(Previously Presented)** The system of claim 1, further comprising a rules component for determining how the data items are to be displayed on the display device.

13. **(Original)** The system of claim 1, further comprising a switch component for selecting between the discretized states.

14. **(Original)** The system of claim 13, further comprising an interface component to enable users to assign states to an item or group.

15. **(Previously Presented)** The system of claim 13, wherein the switch component is a flag associated with a collection of data items that indicates whether the collection is packed or unpacked.

16. **(Previously Presented)** The system of claim 1, wherein the cluster component is further configured to create an overlapping group that includes content from various groups.

17. **(Previously Presented)** The system of claim 16, wherein the overlapping group includes a recycle group and an archive group.

18. **(Previously Presented)** The system of claim 16, further comprising an interface configured to present a view of at least one group A and at least one group B that shows items in A minus B and a view of subgroup B, which presents data items within an intersection of A and B.

19. **(Previously Presented)** The system of claim 18, wherein the interface comprises a viewer that facilitates finding a union of groups A and B.

20. **(Previously Presented)** The system of claim 1, further comprising an interface to display at least one of a static group or a dynamic group.

21. **(Previously Presented)** The system of claim 20, wherein the dynamic group is associated with at least one of an unpacked query or a packed query.

22. **(Previously Presented)** The system of claim 1, further comprising a component to predict an initial or default state of a newly created group, wherein the component selects the state automatically, or prompts a user to confirm the automatically selected state.

23. **(Currently Amended)** The system of claim 22, wherein the predicting component suggests a packed state for a newly created group when a condition is met, the condition comprising:

a name of a group contains recognizable words;

content<u>s</u> of the group are of low importance; or

a type of the group indicates a compound document rather ~~then~~ <u>than</u> a loose collection of items.

24. **(Previously Canceled)**

25. **(Previously Presented)** A system for organizing data at a computerized display, comprising:

one or more processors;

means operable by the one or more processors for determining a state for a subset of data items, wherein the data items are organized in a hierarchical directory tree structure;

means operable by the one or more processors for assigning the state as a property to the subset of data items; and

means operable by the one or more processors for displaying each item in the subset according to the determined state, wherein, when the state is determined to be in a packed state, the displaying means causes the data items in the subset to be displayed under a singular icon when viewed from any directory location which contains at least one of the data items in the subset and wherein, when the state is determined to be in an unpacked state the displaying means causes the data items in the subset to be displayed under a singular icon in a tree display and as respective individual icons when viewed in a contents display, and which further causes data items from a subfolder that is determined to be in the unpacked state, to display as respective individual icons alongside data items of a parent folder that are determined to be in the unpacked state.

26. **(Previously Presented)** The system of claim 25, further comprising means for displaying the subset of data items as an overlapping group.

27.   (Previously Presented)   The system of claim 26, further comprising means for controlling the state of the subset of data items.

28.   (Currently Amended)   A method for controlling visible output to a display, comprising:

determining a state of a collection of data items, the state being determined from states comprising a packed state and an unpacked state, wherein the collection of data items are organized in a hierarchical structure;

grouping the data items according to the determined state;

displaying a group of data items under a singular icon in the display when the group is viewed from any folder within the hierarchical structure that contains at least one of the data items in the group of data items, when the group of data items is determined to be associated with the packed state[[,]];

displaying the group of data items under a singular icon in a tree view and as individual icons in a contents view, when the group of data items is determined to be associated with the unpacked state;

switching the group of data items from being associated with the packed state to the unpacked state or vice versa.

29.   (Previously Presented)   The method of claim 28, further comprising associating the state with a property of the group.

30.   (Previously Presented)   The method of claim 29, further comprising persisting the property to a storage medium.

31.   (Previously Presented)   The method of claim 29, further comprising displaying an overlapping group.

32. – 38.   (Previously Canceled)